

COS420 Program 2: Bulldog with AI

Author: Abigail Pitcairn

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AI Tool:

- Name/version: ChatGPT-4-turbo (the default ChatGPT model)
- Session dates: February 3-5, 2025
- Goal of the session: complete Program 2
- Summary of prompts:
 - Copy/pasted the Bulldog.pdf instructions pages 1-4, cutting off at “Style Requirements” because the rest of the information after that was not relevant. Added “Here is Player.java” and “Here is WimpPlayer.java” with the code from each file copy/pasted with it. Finally, I asked “Please return the finished assignment”.
 - Follow-up prompt: “Add the WimpPlayer as one of the options in the player selection and include the WimpPlayer code I gave you. Additionally, add some basic JavaDoc comments to the entirety of the program.”
 - Follow-up prompt: “The Player class needs to include all FIVE types of Players, please.” This follow-up was necessary because the previous prompt made ChatGPT overwrite the entire Player file to ONLY include the Player superclass and WimpPlayer subclass.
- Potential Optimizations:
 - Always prompt for generated code to include thorough documentation.
- Other Relevant Information:
 - Even though the prompt had only asked ChatGPT to add WimpPlayer to Player class, ChatGPT also returned a different Program 6 code with a different user menu.

Adding MyUniquePlayer Class:

1. Create a new class in the program 2 package titled “MyUniquePlayer”.
2. Copy/paste the UniquePlayer class I wrote into MyUniquePlayer class, renaming the object to MyUniquePlayer in the class declaration and constructor.
3. Add “MyUniquePlayer” as an option in the Program6 main method; add a new case and update the menu for the option to create a MyUniquePlayer object when the user starts program 6.

FifteenPlayer versus WimpPlayer Transcript:

Enter number of players: 2

Enter name for player 1: Fifteen

Choose player type (1: Human, 2: Random, 3: Fifteen, 4: Unique, 5: Wimp, 6: MyUniquePlayer): 3

Enter name for player 2: Wimpy

Choose player type (1: Human, 2: Random, 3: Fifteen, 4: Unique, 5: Wimp, 6: MyUniquePlayer): 5

Fifteen's turn:

Fifteen rolled 4

Fifteen rolled 2

Fifteen rolled 5

Fifteen rolled 1

Fifteen rolled 2

Fifteen rolled 1

Fifteen's total score: 15

Wimpy's turn:

Player Wimpy rolled 3 and chose not to continue, scoring 3 for the turn.

Wimpy's total score: 3

Fifteen's turn:

Fifteen rolled 1

Fifteen rolled 1

Fifteen rolled 1

Fifteen rolled 4

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 15

Wimpy's turn:

Player Wimpy rolled 1 and chose not to continue, scoring 1 for the turn.

Wimpy's total score: 4

Fifteen's turn:

Fifteen rolled 3

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 15

Wimpy's turn:

Player Wimpy rolled 6 and scored 0 for the turn.

Wimpy's total score: 4

Fifteen's turn:

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 15

Wimpy's turn:

Player Wimpy rolled 1 and chose not to continue, scoring 1 for the turn.

Wimpy's total score: 5

Fifteen's turn:

Fifteen rolled 2

Fifteen rolled 1

Fifteen rolled 1

Fifteen rolled 1

Fifteen rolled 2

Fifteen rolled 2

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 15

Wimpy's turn:

Player Wimpy rolled 6 and scored 0 for the turn.

Wimpy's total score: 5

Fifteen's turn:

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 15

Wimpy's turn:

Player Wimpy rolled 2 and chose not to continue, scoring 2 for the turn.

Wimpy's total score: 7

Fifteen's turn:

Fifteen rolled 4

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 15

Wimpy's turn:

Player Wimpy rolled 3 and chose not to continue, scoring 3 for the turn.

Wimpy's total score: 10

Fifteen's turn:

Fifteen rolled 4

Fifteen rolled 5

Fifteen rolled 3

Fifteen rolled 1

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 15

Wimpy's turn:

Player Wimpy rolled 3 and chose not to continue, scoring 3 for the turn.

Wimpy's total score: 13

Fifteen's turn:

Fifteen rolled 2

Fifteen rolled 5

Fifteen rolled 2

Fifteen rolled 5

Fifteen rolled 4

Fifteen's total score: 33

Wimpy's turn:

Player Wimpy rolled 2 and chose not to continue, scoring 2 for the turn.

Wimpy's total score: 15

Fifteen's turn:

Fifteen rolled 1

Fifteen rolled 2

Fifteen rolled 2

Fifteen rolled 2

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 33

Wimpy's turn:

Player Wimpy rolled 5 and chose not to continue, scoring 5 for the turn.

Wimpy's total score: 20

Fifteen's turn:

Fifteen rolled 5

Fifteen rolled 3

Fifteen rolled 5

Fifteen rolled 4

Fifteen's total score: 50

Wimpy's turn:

Player Wimpy rolled 4 and chose not to continue, scoring 4 for the turn.

Wimpy's total score: 24

Fifteen's turn:

Fifteen rolled 5

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 50

Wimpy's turn:

Player Wimpy rolled 1 and chose not to continue, scoring 1 for the turn.

Wimpy's total score: 25

Fifteen's turn:

Fifteen rolled 5

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 50

Wimpy's turn:

Player Wimpy rolled 3 and chose not to continue, scoring 3 for the turn.

Wimpy's total score: 28

Fifteen's turn:

Fifteen rolled 5

Fifteen rolled 1

Fifteen rolled 1

Fifteen rolled 2

Fifteen rolled 5

Fifteen rolled 3

Fifteen's total score: 67

Wimpy's turn:

Player Wimpy rolled 4 and chose not to continue, scoring 4 for the turn.

Wimpy's total score: 32

Fifteen's turn:

Fifteen rolled 5

Fifteen rolled 3

Fifteen rolled 5

Fifteen rolled 2

Fifteen's total score: 82

Wimpy's turn:

Player Wimpy rolled 2 and chose not to continue, scoring 2 for the turn.

Wimpy's total score: 34

Fifteen's turn:

Fifteen rolled 5

Fifteen rolled 1

Fifteen rolled 3

Fifteen rolled 2

Fifteen rolled 4

Fifteen's total score: 97

Wimpy's turn:

Player Wimpy rolled 1 and chose not to continue, scoring 1 for the turn.

Wimpy's total score: 35

Fifteen's turn:

Fifteen rolled 3

Fifteen rolled 2

Fifteen rolled 3

Fifteen rolled 1

Fifteen rolled 1

Fifteen rolled 6

Fifteen lost the turn!

Fifteen's total score: 97

Wimpy's turn:

Player Wimpy rolled 4 and chose not to continue, scoring 4 for the turn.

Wimpy's total score: 39

Fifteen's turn:

Fifteen rolled 2

Fifteen rolled 5

Fifteen rolled 2

Fifteen rolled 4

Fifteen rolled 3

Fifteen's total score: 113

Fifteen wins!

UniquePlayer versus MyUniquePlayer Transcript:

Enter number of players: 2

Enter name for player 1: ChatGPT

Choose player type (1: Human, 2: Random, 3: Fifteen, 4: Unique, 5: Wimp, 6: MyUniquePlayer): 4

Enter name for player 2: MyUniquePlayer

Choose player type (1: Human, 2: Random, 3: Fifteen, 4: Unique, 5: Wimp, 6: MyUniquePlayer): 6

ChatGPT's turn:

ChatGPT rolled 1

ChatGPT rolled 4

ChatGPT rolled 3

ChatGPT rolled 3

ChatGPT's total score: 11

MyUniquePlayer's turn:

MyUniquePlayer rolled a 4

MyUniquePlayer rolled a 2

MyUniquePlayer rolled a 4

MyUniquePlayer's total score: 10

ChatGPT's turn:

ChatGPT rolled 4

ChatGPT rolled 2

ChatGPT rolled 2

ChatGPT rolled 4

ChatGPT rolled 5

ChatGPT rolled 4

ChatGPT's total score: 32

MyUniquePlayer's turn:

MyUniquePlayer rolled a 5

MyUniquePlayer rolled a 6

Rolled a 6! Turn over.

MyUniquePlayer's total score: 10

ChatGPT's turn:

ChatGPT rolled 2

ChatGPT rolled 1

ChatGPT rolled 3

ChatGPT's total score: 38

MyUniquePlayer's turn:

MyUniquePlayer rolled a 3

MyUniquePlayer rolled a 6

Rolled a 6! Turn over.

MyUniquePlayer's total score: 10

ChatGPT's turn:

ChatGPT rolled 2
ChatGPT rolled 5
ChatGPT rolled 6
ChatGPT lost the turn!
ChatGPT's total score: 38
MyUniquePlayer's turn:
MyUniquePlayer rolled a 2
MyUniquePlayer rolled a 4
MyUniquePlayer rolled a 5
MyUniquePlayer rolled a 4
MyUniquePlayer rolled a 2
MyUniquePlayer's total score: 27
ChatGPT's turn:
ChatGPT rolled 4
ChatGPT rolled 6
ChatGPT lost the turn!
ChatGPT's total score: 38
MyUniquePlayer's turn:
MyUniquePlayer rolled a 6
Rolled a 6! Turn over.
MyUniquePlayer's total score: 27
ChatGPT's turn:
ChatGPT rolled 4
ChatGPT rolled 6
ChatGPT lost the turn!
ChatGPT's total score: 38
MyUniquePlayer's turn:
MyUniquePlayer rolled a 6
Rolled a 6! Turn over.
MyUniquePlayer's total score: 27
ChatGPT's turn:
ChatGPT rolled 2
ChatGPT rolled 1
ChatGPT rolled 2
ChatGPT's total score: 43
MyUniquePlayer's turn:
MyUniquePlayer rolled a 4
MyUniquePlayer rolled a 3
MyUniquePlayer rolled a 4
MyUniquePlayer's total score: 38
ChatGPT's turn:
ChatGPT rolled 6

ChatGPT lost the turn!
ChatGPT's total score: 43
MyUniquePlayer's turn:
MyUniquePlayer rolled a 4
MyUniquePlayer rolled a 6
Rolled a 6! Turn over.
MyUniquePlayer's total score: 38
ChatGPT's turn:
ChatGPT rolled 3
ChatGPT rolled 6
ChatGPT lost the turn!
ChatGPT's total score: 43
MyUniquePlayer's turn:
MyUniquePlayer rolled a 1
MyUniquePlayer rolled a 6
Rolled a 6! Turn over.
MyUniquePlayer's total score: 38
ChatGPT's turn:
ChatGPT rolled 3
ChatGPT rolled 2
ChatGPT rolled 1
ChatGPT rolled 1
ChatGPT rolled 3
ChatGPT rolled 6
ChatGPT lost the turn!
ChatGPT's total score: 43
MyUniquePlayer's turn:
MyUniquePlayer rolled a 6
Rolled a 6! Turn over.
MyUniquePlayer's total score: 38
ChatGPT's turn:
ChatGPT rolled 1
ChatGPT rolled 4
ChatGPT rolled 1
ChatGPT's total score: 49
MyUniquePlayer's turn:
MyUniquePlayer rolled a 6
Rolled a 6! Turn over.
MyUniquePlayer's total score: 38
ChatGPT's turn:
ChatGPT rolled 1
ChatGPT rolled 5

ChatGPT rolled 5

ChatGPT rolled 2

ChatGPT's total score: 62

MyUniquePlayer's turn:

MyUniquePlayer rolled a 2

MyUniquePlayer rolled a 4

MyUniquePlayer rolled a 6

Rolled a 6! Turn over.

MyUniquePlayer's total score: 38

ChatGPT's turn:

ChatGPT rolled 6

ChatGPT lost the turn!

ChatGPT's total score: 62

MyUniquePlayer's turn:

MyUniquePlayer rolled a 1

MyUniquePlayer rolled a 3

MyUniquePlayer rolled a 2

MyUniquePlayer rolled a 2

MyUniquePlayer rolled a 4

MyUniquePlayer's total score: 50

ChatGPT's turn:

ChatGPT rolled 4

ChatGPT rolled 1

ChatGPT rolled 6

ChatGPT lost the turn!

ChatGPT's total score: 62

MyUniquePlayer's turn:

MyUniquePlayer rolled a 5

MyUniquePlayer rolled a 5

MyUniquePlayer rolled a 3

MyUniquePlayer rolled a 4

MyUniquePlayer's total score: 67

ChatGPT's turn:

ChatGPT rolled 3

ChatGPT rolled 6

ChatGPT lost the turn!

ChatGPT's total score: 62

MyUniquePlayer's turn:

MyUniquePlayer rolled a 4

MyUniquePlayer rolled a 1

MyUniquePlayer rolled a 1

MyUniquePlayer rolled a 5

MyUniquePlayer's total score: 78

ChatGPT's turn:

ChatGPT rolled 2

ChatGPT rolled 5

ChatGPT rolled 6

ChatGPT lost the turn!

ChatGPT's total score: 62

MyUniquePlayer's turn:

MyUniquePlayer rolled a 1

MyUniquePlayer rolled a 6

Rolled a 6! Turn over.

MyUniquePlayer's total score: 78

ChatGPT's turn:

ChatGPT rolled 3

ChatGPT rolled 3

ChatGPT rolled 4

ChatGPT's total score: 72

MyUniquePlayer's turn:

MyUniquePlayer rolled a 3

MyUniquePlayer rolled a 3

MyUniquePlayer rolled a 4

MyUniquePlayer's total score: 88

ChatGPT's turn:

ChatGPT rolled 2

ChatGPT rolled 1

ChatGPT rolled 5

ChatGPT rolled 1

ChatGPT rolled 4

ChatGPT rolled 6

ChatGPT lost the turn!

ChatGPT's total score: 72

MyUniquePlayer's turn:

MyUniquePlayer rolled a 6

Rolled a 6! Turn over.

MyUniquePlayer's total score: 88

ChatGPT's turn:

ChatGPT rolled 1

ChatGPT rolled 3

ChatGPT rolled 1

ChatGPT's total score: 77

MyUniquePlayer's turn:

MyUniquePlayer rolled a 2

MyUniquePlayer rolled a 2

MyUniquePlayer rolled a 2

MyUniquePlayer rolled a 6

Rolled a 6! Turn over.

MyUniquePlayer's total score: 88

ChatGPT's turn:

ChatGPT rolled 5

ChatGPT rolled 5

ChatGPT rolled 5

ChatGPT's total score: 92

MyUniquePlayer's turn:

MyUniquePlayer rolled a 4

MyUniquePlayer rolled a 3

MyUniquePlayer rolled a 3

MyUniquePlayer rolled a 5

MyUniquePlayer rolled a 3

MyUniquePlayer's total score: 106

MyUniquePlayer wins!